## AMENDMENTS TO THE CLAIMS

	1	1. (Cu	rrently amended) A method for obtaining a current value of a Management Information
	2		base (MB) variable stored in a managed network device in a network, the method
	À		comprising the steps of:
	4		receiving a connection of a Web browser to the a first managed network device;
$\mathcal{N}$	5		receiving at the first managed network device an HTTP request message from the
	6		browser to obtain the current value of the MIB variable from the first
	7		managed network device to which the MIB variable value pertains;
(	8		receiving the current value of the MIB variable from the MIB of the <u>first</u> managed
X	9		network device to which the MIB variable value pertains; and
	10		communicating the current value of the MIB variable from the first managed network
	11		device to which the MIB variable value pertains to the browser using an
	12		HTTP reply message.
	1	2.	(Currently amended) The method of claim 1, further comprising the steps of:
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	2		creating and storing a MIB object tree in a memory of the <u>first managed</u> network
	3		device;
	4		creating an electronic document that contains a representation of one or more MIB
	5		variables of the MIB object tree;
	6		communicating the electronic document to the Web browser.
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	1	3.	(Currently amended) The method of claim 1, wherein the step of receiving the current
	2		value of the MIB variable from the MIB of the first managed network device includes
	3		the steps of creating and storing a MIB object tree in a memory of the first managed
	4		network device; obtaining the MIB variable from the MIB object tree in the memory
	5	-	of the <u>first managed</u> network device.

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1	1	4.	(Currently amended) The method of claim 1, further comprising the steps of:
	2		creating and storing a MIB object tree in a memory of the <u>first managed</u> network
	3		device;
	4		creating an electronic document that contains a representation of one or more MIB
	5		variables of the MIB object tree;
	6		receiving a user selection of one of the MIB variables based on the electronic
	7		document
	8		wherein the step of receiving the current value of the MIB variable from the MIB of
(	9		the first managed network device includes the step of obtaining the MIB
X	10		variable that is identified in the user selection from the MIB object tree in the
Λ	11		memory of the first managed network device.
	1	5.	(Currently amended) The method of claim 1, further comprising the steps of:
	2		receiving the HTTP request message to obtain the current value of the MIB variable
	3		at an HTTP-SNMP interface;
	4		creating an SNMP query that requests a current value of the MIB variable based on
	5		the HTTP request message; and
	6		communicating the SNMP query to an SNMP daemon of the <u>first managed</u> network
	7		device.
	1	6.	(Currently amended) The method of claim 1, further comprising the steps of:
	2		communicating the current value of the MIR variable to the HTTP-SNMP interface;
	3		creating and storing an HTML page that contains the current value of the MIB

variable; and

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sending the HTML page to an HTTP daemon of the first managed network device.

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	1	7.	(Original) The method of claim 1, further comprising the step of creating and storing
	2		an executable software element in association with the Web browser, wherein the
	3		executable software element is configured for packaging an SNMP query into the
	4		request from the Web browser.
	1	8.	(Original) The method of claim 1, wherein the step of receiving a request from the
	2		Web browser to obtain the current value of the MIB variable includes the step of
\	3		unpackaging an SNMP query that is packaged in the request from the Web browser to
X	4		identify the MIB variable
11/1	1	9.	(Currently amended) The method of claim 8, further comprising the step of sending
	2		the SNMP query to an SNMP daemon of the <u>first managed</u> network device.
	1	10.	(Original) The method of claim 8, wherein the step of returning the current value of
	2		the MIB variable to the Web browser includes the step of repackaging the current
	3		value of the MIB variable into an HTTP reply message.
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	1	11. (C	urrently amended) A network device, comprising:
	2		a processor;
	3		a Management Information Base (MIB) logically accessible by the processor and
	4		comprising one or more stored values of MIB variables;
	5		a Simple Network Management Protocol (SNMP) daemon executed by the processor;
	6		a Hypertext Transfer Protocol (HTTP) daemon executed by the processor;
	<b>7</b> ·		stored instructions for obtaining a current value of a Management Information base
	8		(MIB) variable stored in a managed network device which, when executed by
	9		the processor, cause the processor to carry out the steps of:

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,	10	/	receiving a connection of a Web browser to the a first managed network
	11		device;
	12		receiving at the <u>first</u> managed network device an HTTP request message from
	13		the browser to obtain the current value of the MIB variable from the
	14		first managed network device to which the MIB variable value
	15		pertains;
	16		receiving the current value of the MIB variable from the MIB of the first
	17		managed betwork device to which the MIB variable value pertains;
X	18		and
	19		communicating the current value of the MIB variable from the <u>first</u> managed
1	20		network device to which the MIB variable value pertains to the
	21		browser using an HTTP reply message.
	1	12.	(Currently amended) The network device of claim 11, wherein the instructions further
	2		cause the processor to carry out the steps of:
	3		creating and storing a MIB object tree in a memory of the first managed network
	4		device;
	5		creating an electronic document that contains a representation of one or more MIB
	6		variables of the MIB object tree;
	7		communicating the electronic document to the Web browser.
	1	13.	(Currently amended) The network device of claim 11, wherein the step of receiving
	2		the current value of the MIB variable from the MB of the first managed network
	3		device includes the steps of creating and storing a VIB object tree in a memory of the
	4		first managed network device; obtaining the MIB variable from the MIB object tree

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in the memory of the <u>first managed</u> network device.

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1	14.	(Currently amended) The network device of claim 11, wherein the instructions further
2		cause the processor to carry out the steps of:
3		creating and storing a MIB object tree in a memory of the first managed network
4		device;
5		creating an electronic document that contains a representation of one or more MIB
6		variables of the MIB object tree;
<b>√</b> <sup>7</sup>		receiving a user selection of one of the MIB variables based on the electronic
8		document;
<i>y</i> 9		wherein the step of receiving the current value of the MIB variable from the MIB of
10		the first managed network device includes the step of obtaining the MIB
11		variable that is identified in the user selection from the MIB object tree in the
12		memory of the first managed network device.
1	15.	(Currently amended) The network device of claim 11, further comprising an HTTP-
2		SNMP interface which, when executed by the processor, causes the processor to carry
3		out the steps of:
4		receiving the HTTP request message to obtain the current value of the MIB variable
5		at an HTTP-SNMP interface;
6		creating an SNMP query that requests a current value of the MIB variable based on
7		the HTTP request message; and
8		communicating the SNMP query to an SNMP daemon of the <u>first managed</u> network
9		device.
10	16.	(Previously presented) The network device of claim 11, further comprising the steps
11		of:
12		communicating the current value of the MIB variable to the HTTP-SNMP interface;

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JV 13	creating and storing an HTML page that contains the current value of the MIB
14	variable; and
15	sending the HVML page to the HTTP daemon.
1	17. (Currently amended) A computer-readable medium carrying one or more sequences of
2	one or more instructions for obtaining a current value of a Management Information
3	base (MIB) variable stored in a managed network device in a network, the one or
i / 4	more sequences of one or more instructions including instructions which, when
5	executed by one or more processors, cause the one or more processors to perform the
X) 6	steps of:
7	receiving a connection of a Web browser to the a first managed network
8	device;
9	receiving at the first managed network device an HTTP request message from
10	the browser to obtain the current value of the MIB variable from the
11	first managed network device to which the MIB variable value
12	pertains;
13	receiving the current value of the MIB variable from the MIB of the first
14	managed network device to which the MIB variable value pertains;
15	and
16	communicating the current value of the MIB variable from the first managed
17	network device to which the MIB variable value pertains to the
18	browser using an HTTP reply message.
1	18. (Original) The computer-readable medium as recited in claim 17, wherein the
2	instructions further cause the processor to carry out the steps of:
3	creating and storing a MIB object tree;

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5 2 / 4		creating an electronic document that contains a representation of one or more MIB
5	•	variables of the MIB object tree;
6		communicating the electronic document to the Web browser.
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1	19.	(Currently amended) The computer-readable medium as recited in claim 17, wherein
2		receiving the current value of the MIB variable from the MIB of the <u>first managed</u>
3		network device includes the steps of creating and storing a MIB object tree in a
4		memory of the first managed network device; obtaining the MIB variable from the
5		MIB object tree in the memory of the <u>first managed</u> network device.
$\mathcal{T}_{1}$	20.	(Currently amended) The computer-readable medium as recited in claim 17, wherein
	20.	
2		the instructions further cause the processor to carry out the steps of:
3		creating and storing a MIB object tree in a memory of the <u>first managed</u> network
4		device;
5		creating an electronic document that contains a representation of one or more MIB
6		variables of the MIB object tree
7		receiving a user selection of one of the MB variables based on the electronic
8		document;
9		wherein receiving the current value of the MB variable from the MIB of the first
10		managed network device includes the step of obtaining the MIB variable that
11		is identified in the user selection from the MIB object tree in the memory of
12		the <u>first managed</u> network device.
1	21.	(Currently amended) The computer-readable medium as recited in claim 17, wherein
2		the instructions further cause the processor to carry out the steps of:
3		receiving the HTTP request message to obtain the current value of the MIB variable
4		at an HTTP-SNMP interface;

32	C <sub>5</sub>		creating an SNMP query that requests a current value of the MIB variable based on
	6	1	the HTTP request message; and
	<b>- 7</b> -		communicating the SNMP query to an SNMP daemon of the <u>first managed</u> network
	8		device.
	· 1	22.	(Currently amended) The computer-readable medium as recited in claim 17, wherein
	2		the instructions further cause the processor to carry out the steps of:
	3		communicating the current value of the MIB variable to the HTTP-SNMP interface;
\	<i>]</i> 4		creating and storing an HTML page that contains the current value of the MIB
	5		variable; and
<i>y</i> ()	6		sending the HTML page to an HTTP daemon of the <u>first managed</u> network device.
	1	23. (Cu	rrently amended) An HTTP browser program including a plug-in executable software
	2		element configured for obtaining a current value of a Management Information Base
	3		(MIB) variable stored in a managed network device in a network and which, when
	4		executed by a processor that executes the browser, causes the processor to carry out
	5		the steps of:
	6		receiving a connection of a Web connecting the browser to the network device;
	7		translating an SNMP query to a HTTP request message;
	8		receiving at the managed network device communicating an the HTTP request
	9		message from the browser to the network device to obtain the current value of
	10		the MIB variable from the managed network device to which the MIB

variable value pertains;

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receiving, in an HTTP reply message, the current value of the MIB variable from the

MIB of the network device to which the MIB variable value pertains; and

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	14	communicating the current value of the MIB variable from the network device to
	15	which the MIB variable value pertains to the browser using an HTTP reply
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	17	displaying the current value of the MIB variable using the browser.
	1	24. (Currently amended An applet executable in a browser program and configured for
	2	obtaining a current value of a Management Information Base (MIB) variable stored in
	3	a managed network device in a network and which, when executed by the browser,
/	4	causes the browser to carry out the steps of:
X	5	receiving a connection of Web connecting the browser to the network device;
Į	6	translating an SNMP query to a HTTP request message;
	7	receiving at the managed network device communicating an the HTTP request
	8	message from the browser to the network device to obtain the current value of
	9	the MIB variable from the managed network device to which the MIB
	10	variable value pertains;
	11	receiving, in an HTTP reply message, the current value of the MIB variable from the
	12	MIB of the network device to which the MIB variable value pertains; and
	13	communicating the current value of the MIB variable from the network device to-
	14	which the MIB variable value pertains to the browser using an HTTP reply
	15	message
	16	displaying the current value of the MIB variable using the browser.
	1	25. (Previously presented) The network device of claim \( \)1, wherein the step of receiving
	2	a request from the Web browser to obtain the current value of the MIB variable
	3	includes the step of unpackaging an SNMP query that is packaged in the request from
	4	the Web browser to identify the MIB variable.

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. /	1	26.	(Currently amended) The network device of claim 25, wherein the instructions further
	2		cause the processor to carry out the step of sending the SNMP query to an SNMP
•	3		daemon of the <u>first managed</u> network device.
-	1	27.	(Previously presented) The network device of claim 25, wherein the step of returning
	2		the current value of the MIB variable to the Web browser includes the step of
	3		repackaging the current value of the MIB variable into an HTTP reply message.
,	1	28.	(Previously presented) The computer-readable medium of claim 17, wherein the step
X	2		of receiving a request from the Web browser to obtain the current value of the MIB
	) 3		variable includes the step of unpackaging an SNMP query that is packaged in the
	4		request from the Web browser to identify the MIB variable.
	1	29.	(Currently amended) The computer-readable medium of claim 28, wherein the
	2		instructions further cause the processor to carry out the step of sending the SNMP
	3		query to an SNMP daemon of the first managed network device.
	1	30.	(Previously presented) The computer-readable medium of claim 28, wherein the step
	2		of returning the current value of the MIB variable to the Web browser includes the
	3		step of repackaging the current value of the MIB variable into an HTTP reply
	4		message.

1 31. (Currently amended) A system for obtaining a current value of a Management
2 Information base (MIB) variable stored in a managed network device in a network,
3 the system comprising:
4 means for receiving a connection of a Web browser to the a first managed network
5 device;

W 6		means for receiving at the <u>first</u> managed network device an HTTP request message
7		from the browser to obtain the current value of the MIB variable from the <u>first</u>
8		managed network device to which the MIB variable value pertains;
9		means for receiving the current value of the MIB variable from the MIB of the <u>first</u>
10		managed network device to which the MIB variable value pertains; and
11		means for communicating the current value of the MIB variable from the first
12		managed network device to which the MIB variable value pertains to the
13		browser using an HTTP reply message.
	32.	(Currently amended) The system of claim 31, further comprising:
$\chi$ 2		means for creating and storing a MIB object tree in a memory of the first managed
3		network device;
4		means for creating an electronic document that contains a representation of one or
5		more MIB variables of the MIB object tree;
6		means for communicating the electronic document to the Web browser.
1	33.	(Currently amended) The system of claim 31, wherein the means for receiving the
2		current value of the MIB variable from the MIB of the first managed network device
3		includes
4		means for creating and storing a MIB object tree in a memory of the first managed
5		network device;
6		means for obtaining the MIB variable from the MIB object tree in the memory of the
7		first managed network device.
1	34.	(Currently amended) The system of claim 31, further comprising:
2		means for creating and storing a MIB object tree in a memory of the first managed
3		network device;

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بري 4	1	means for creating an electronic document that contains a representation of one or
5		more MIB variables of the MIB object tree;
6		means for receiving a user selection of one of the MIB variables based on the
7		electronic document;
8		wherein the means for receiving the current value of the MIB variable from the MIB
9		of the first managed network device includes means for obtaining the MIB
10		variable that is identified in the user selection from the MIB object tree in the
11		memory of the first managed network device.
1	35.	(Currently amended) The system of claim 31, further comprising:
$\bigvee_{2}$		means for receiving the HTTR request message to obtain the current value of the MIB
3		variable at an HTTP-SNMP interface;
4		means for creating an SNMP query that requests a current value of the MIB variable
5		based on the HTTP request message; and
6		means for communicating the SNMP query to an SNMP daemon of the first managed
7		network device.
1	36.	(Currently amended) The system of claim 31, further comprising:
2		means for communicating the current value of the MIB variable to the HTTP-SNMP
3		interface;
4		means for creating and storing an HTML page that contains the current value of the
5		MIB variable; and
6		means for sending the HTML page to an HTTP daemon of the first managed network
7		device.
1	37.	(Previously presented) The system of claim 31, further comprising:

2 means for creating and storing an executable software element in association with the 3 Web browser, wherein the executable software element is configured for packaging an SNMP query into the request from the Web browser. 38. (Previously presented) The system of claim 31, wherein the means for receiving a request from the Web browser to obtain the current value of the MIB variable 2 includes means for unpackaging an SNMP query that is packaged in the request from the Web browser to identify the MIB variable. 4 39. (Currently amended) The system of claim 38, further comprising means for sending 1 the SNMP query to an SNMR daemon of the first managed network device. 2

1 40. (Previously presented) The system of claim 38, wherein the means for returning the
2 current value of the MIB variable to the Web browser includes means for repackaging
3 the current value of the MIB variable into an HTTP reply message.